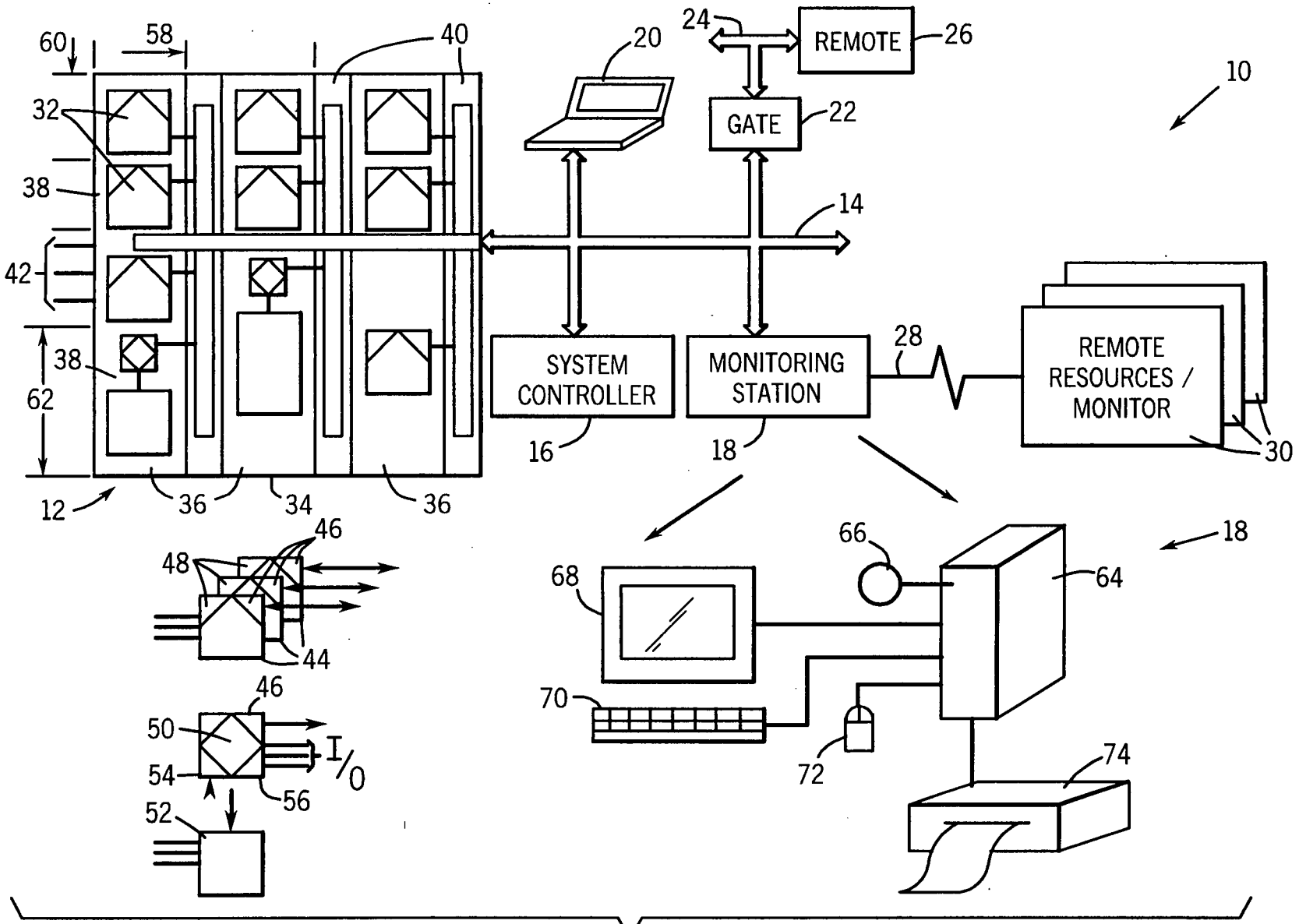


FIG. 1

US6726337 .030600

FIG. 2

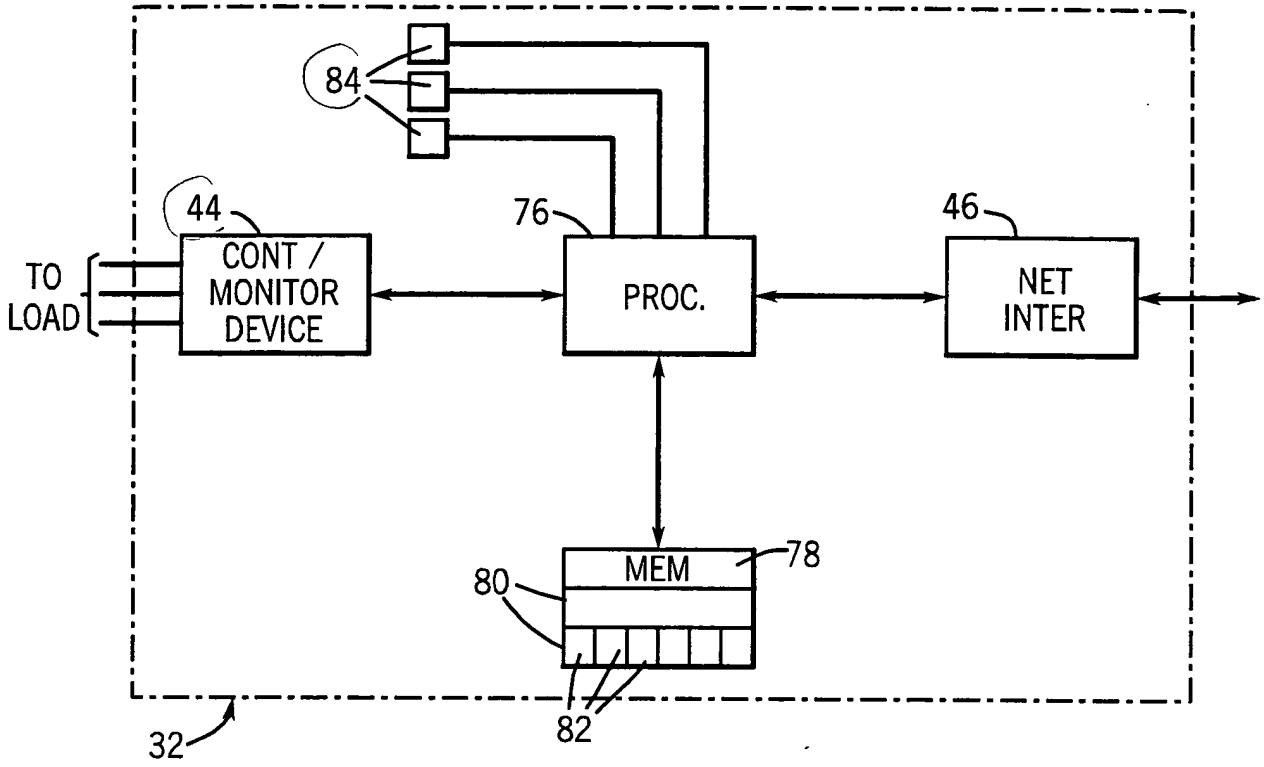
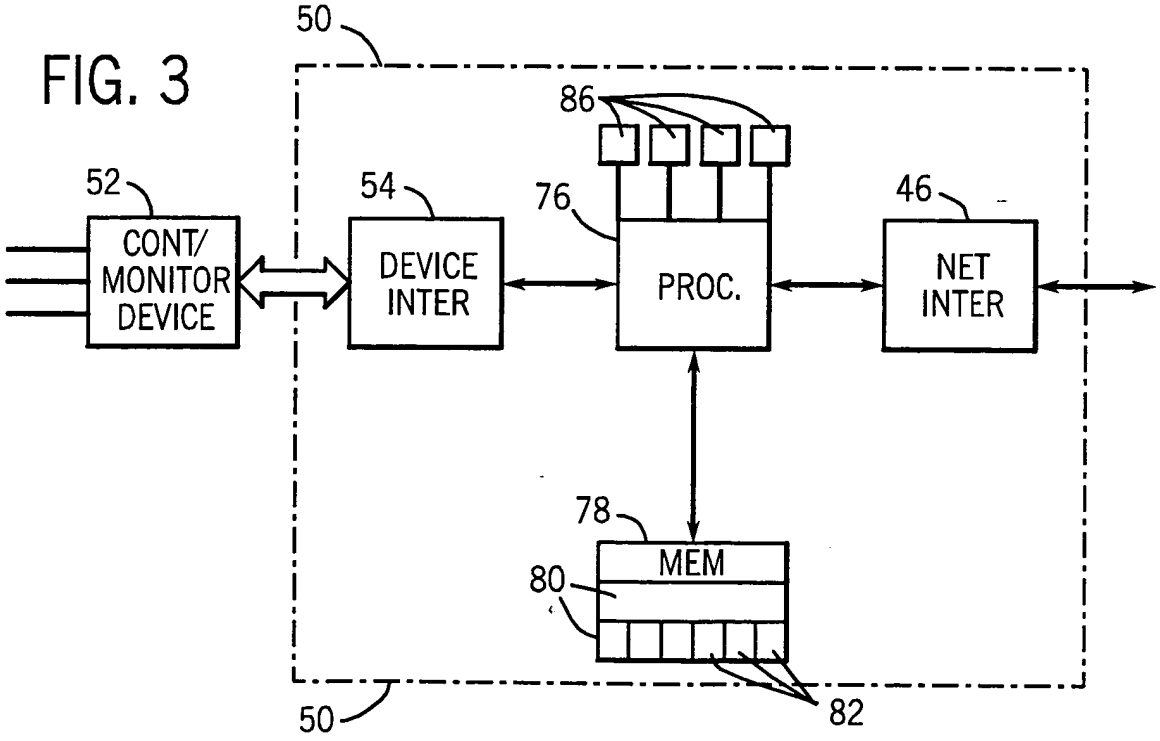

84
44
76
46
TO LOAD
CONT / MONITOR DEVICE
PROC.
NET INTER
MEM
78
80
82
32

FIG. 3


50
86
52
54
76
46
CONT/ MONITOR DEVICE
DEVICE INTER
PROC.
NET INTER
78
MEM
80
82
50

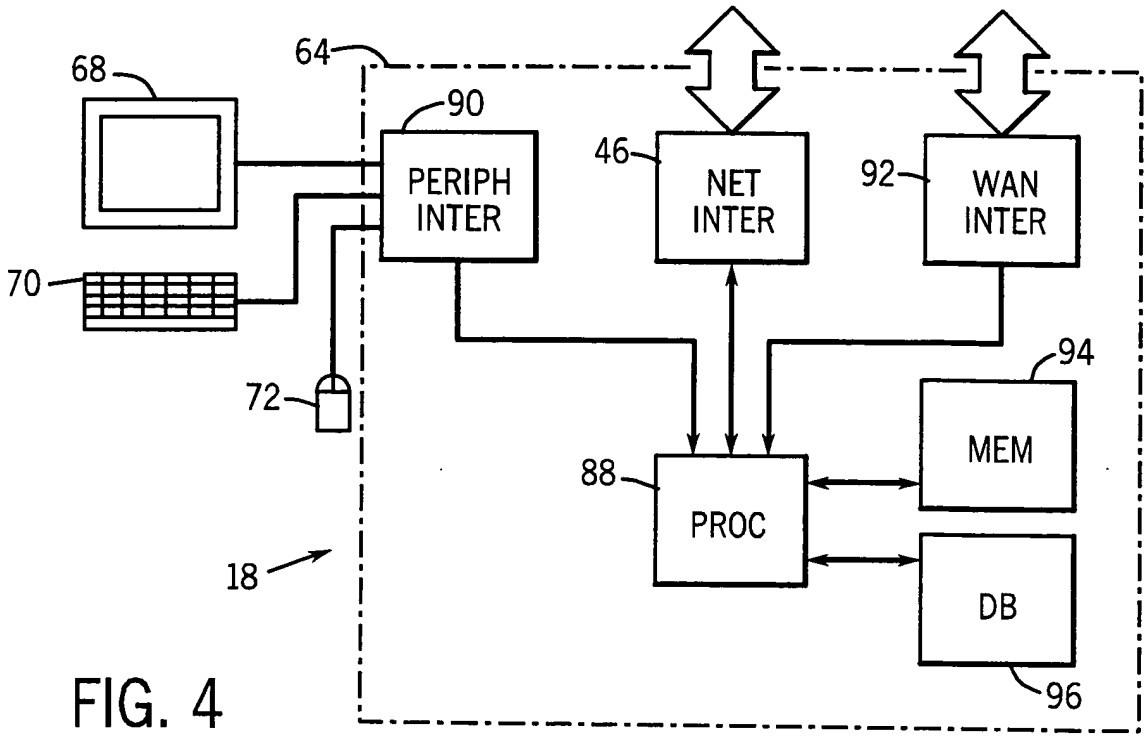

64
68
90
PERIPH INTER
46
NET INTER
92
WAN INTER
70
72
94
MEM
88
PROC
18
DB
96

FIG. 4

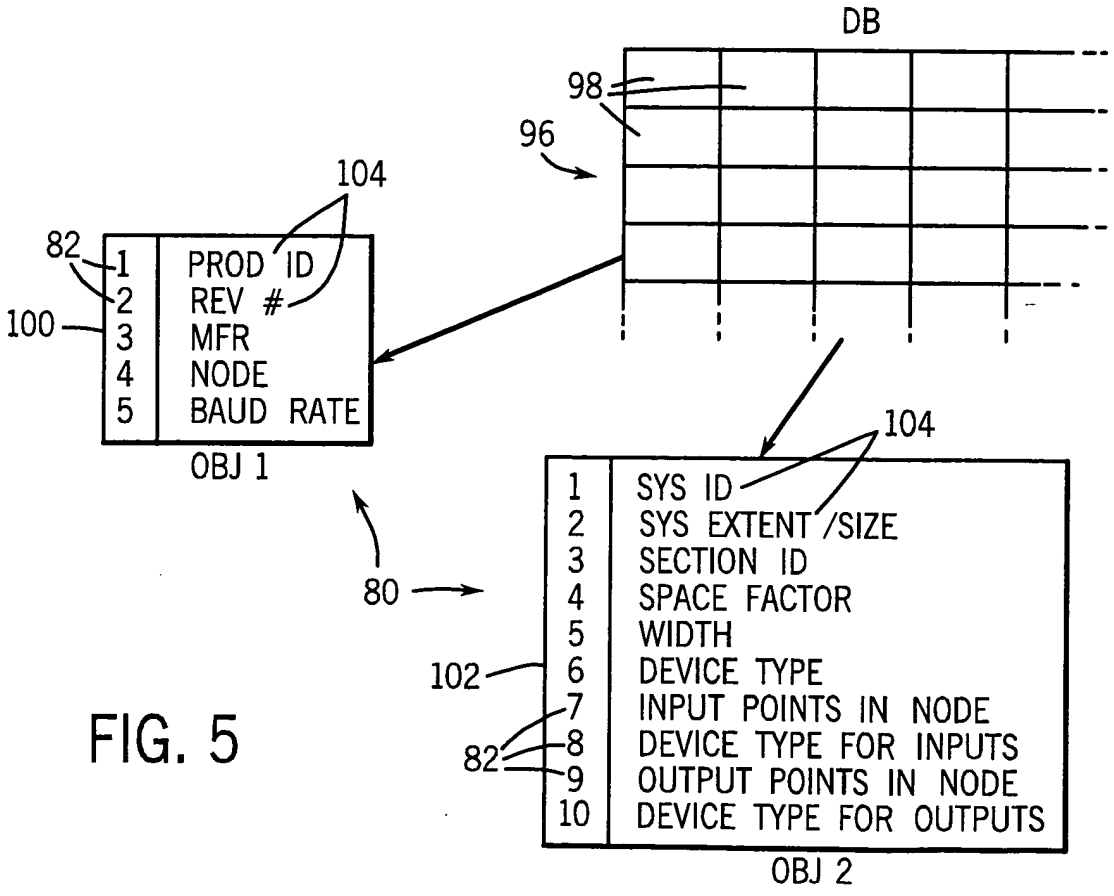

DB
98
96
104
82
100
1 PROD ID
2 REV #
3 MFR
4 NODE
5 BAUD RATE
OBJ 1
80
104
1 SYS ID
2 SYS EXTENT /SIZE
3 SECTION ID
4 SPACE FACTOR
5 WIDTH
102
6 DEVICE TYPE
7 INPUT POINTS IN NODE
82
8 DEVICE TYPE FOR INPUTS
9 OUTPUT POINTS IN NODE
10 DEVICE TYPE FOR OUTPUTS
OBJ 2

FIG. 5

FIG. 6

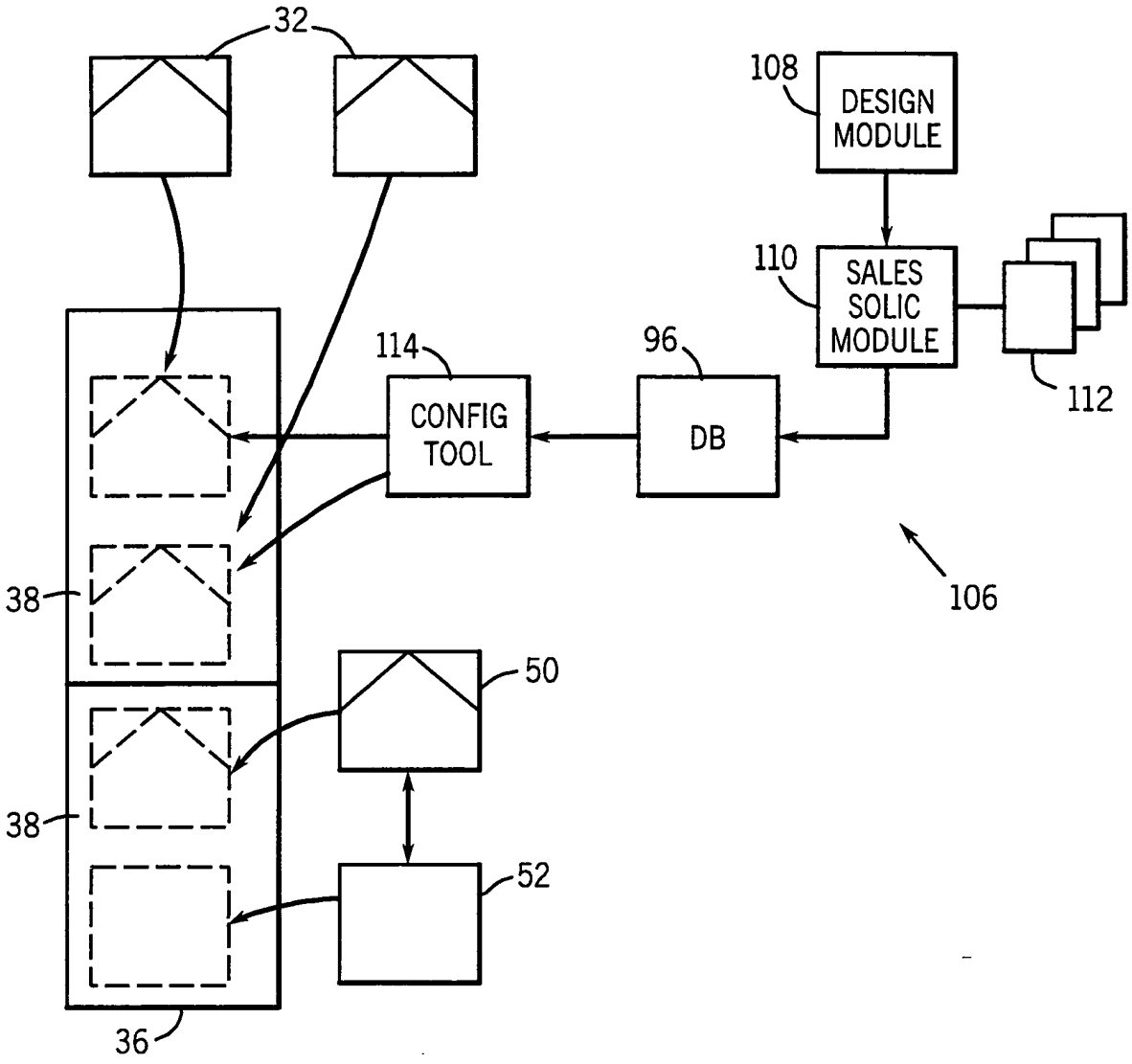

32
108
DESIGN MODULE
110
SALES SOLIC MODULE
112
114
CONFIG TOOL
96
DB
106
38
38
50
52
36

FIG. 7

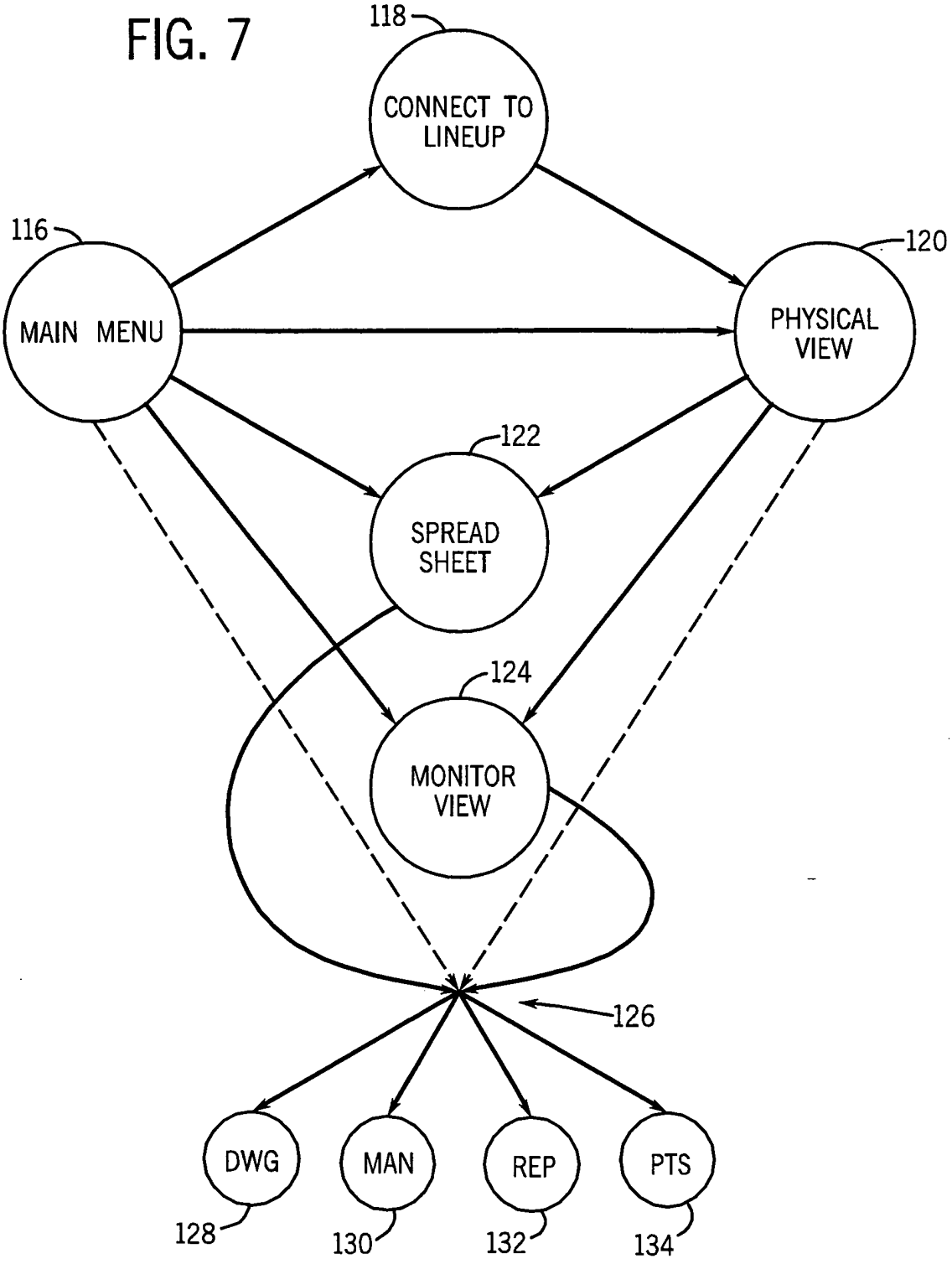

118
CONNECT TO LINEUP
116
MAIN MENU
120
PHYSICAL VIEW
122
SPREAD SHEET
124
MONITOR VIEW
126
DWG
MAN
REP
PTS
128
130
132
134

FIG. 8

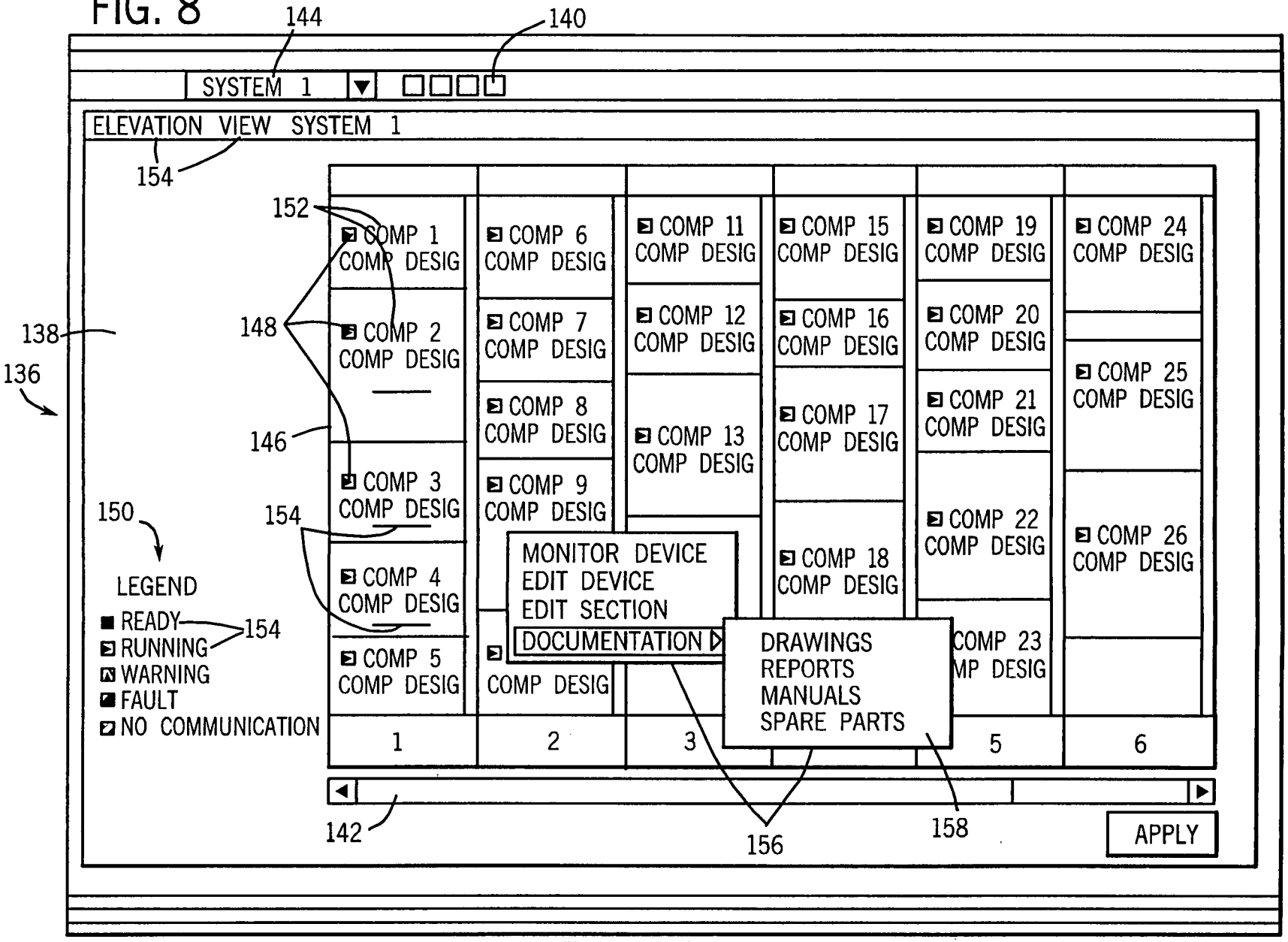

144
140
SYSTEM 1
ELEVATION VIEW SYSTEM 1
154
152
148
138
136
146
150
154
154
156
158
142
COMP 1 COMP DESIG
COMP 2 COMP DESIG
COMP 3 COMP DESIG
COMP 4 COMP DESIG
COMP 5 COMP DESIG
COMP 6 COMP DESIG
COMP 7 COMP DESIG
COMP 8 COMP DESIG
COMP 9 COMP DESIG
COMP DESIG
COMP 11 COMP DESIG
COMP 12 COMP DESIG
COMP 13 COMP DESIG
COMP 15 COMP DESIG
COMP 16 COMP DESIG
COMP 17 COMP DESIG
COMP 18 COMP DESIG
COMP 19 COMP DESIG
COMP 20 COMP DESIG
COMP 21 COMP DESIG
COMP 22 COMP DESIG
COMP 23 MP DESIG
COMP 24 COMP DESIG
COMP 25 COMP DESIG
COMP 26 COMP DESIG
LEGEND
READY
RUNNING
WARNING
FAULT
NO COMMUNICATION
MONITOR DEVICE
EDIT DEVICE
EDIT SECTION
DOCUMENTATION
DRAWINGS
REPORTS
MANUALS
SPARE PARTS
1
2
3
5
6
APPLY

FIG. 9

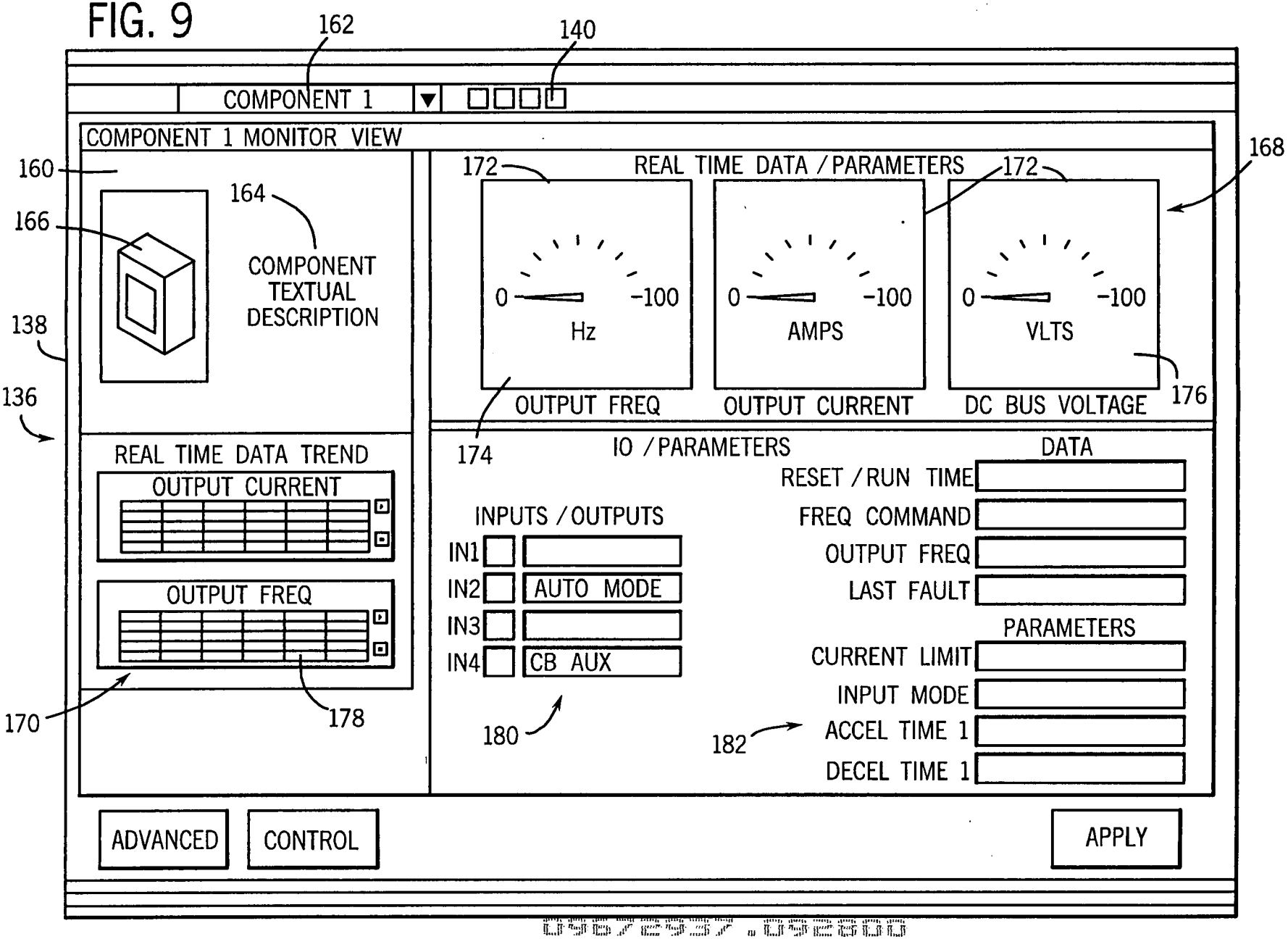

162
140
COMPONENT 1
COMPONENT 1 MONITOR VIEW
160
164
166
COMPONENT TEXTUAL DESCRIPTION
138
136
REAL TIME DATA TREND
OUTPUT CURRENT
OUTPUT FREQ
170
178
172
REAL TIME DATA / PARAMETERS
172
168
0
-100
Hz
0
-100
AMPS
0
-100
VLTS
OUTPUT FREQ
OUTPUT CURRENT
DC BUS VOLTAGE
176
174
IO / PARAMETERS
DATA
RESET / RUN TIME
FREQ COMMAND
OUTPUT FREQ
LAST FAULT
INPUTS / OUTPUTS
IN1
IN2
AUTO MODE
IN3
IN4
CB AUX
PARAMETERS
CURRENT LIMIT
INPUT MODE
ACCEL TIME 1
DECEL TIME 1
180
182
ADVANCED
CONTROL
APPLY

FIG. 10

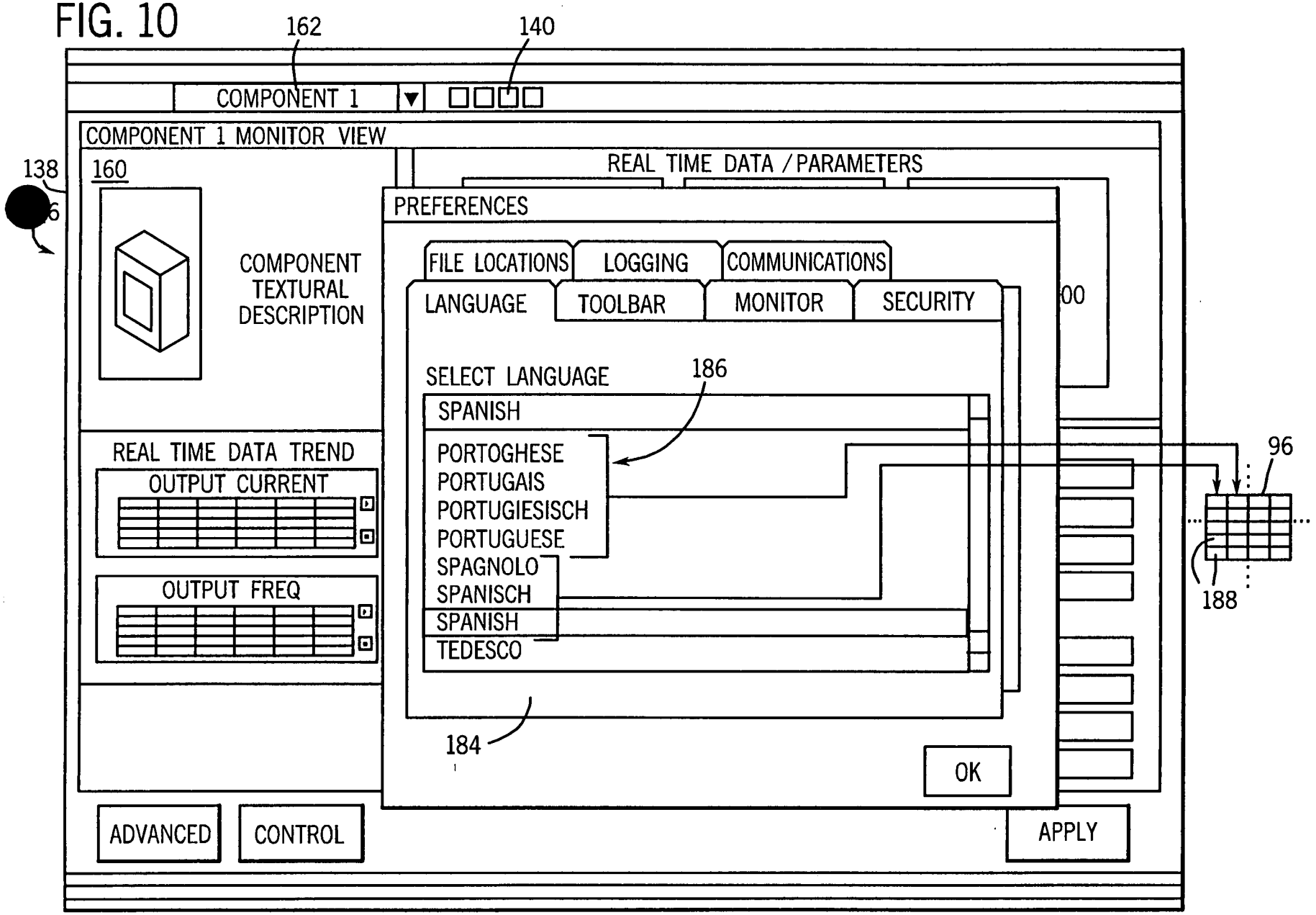

162
140
COMPONENT 1
COMPONENT 1 MONITOR VIEW
138
160
REAL TIME DATA / PARAMETERS
PREFERENCES
COMPONENT TEXTURAL DESCRIPTION
FILE LOCATIONS
LOGGING
COMMUNICATIONS
LANGUAGE
TOOLBAR
MONITOR
SECURITY
SELECT LANGUAGE
186
SPANISH
PORTOGHESE
PORTUGAIS
PORTUGIESISCH
PORTUGUESE
SPAGNOLO
SPANISCH
SPANISH
TEDESCO
96
188
184
REAL TIME DATA TREND
OUTPUT CURRENT
OUTPUT FREQ
OK
ADVANCED
CONTROL
APPLY

FIG. 11

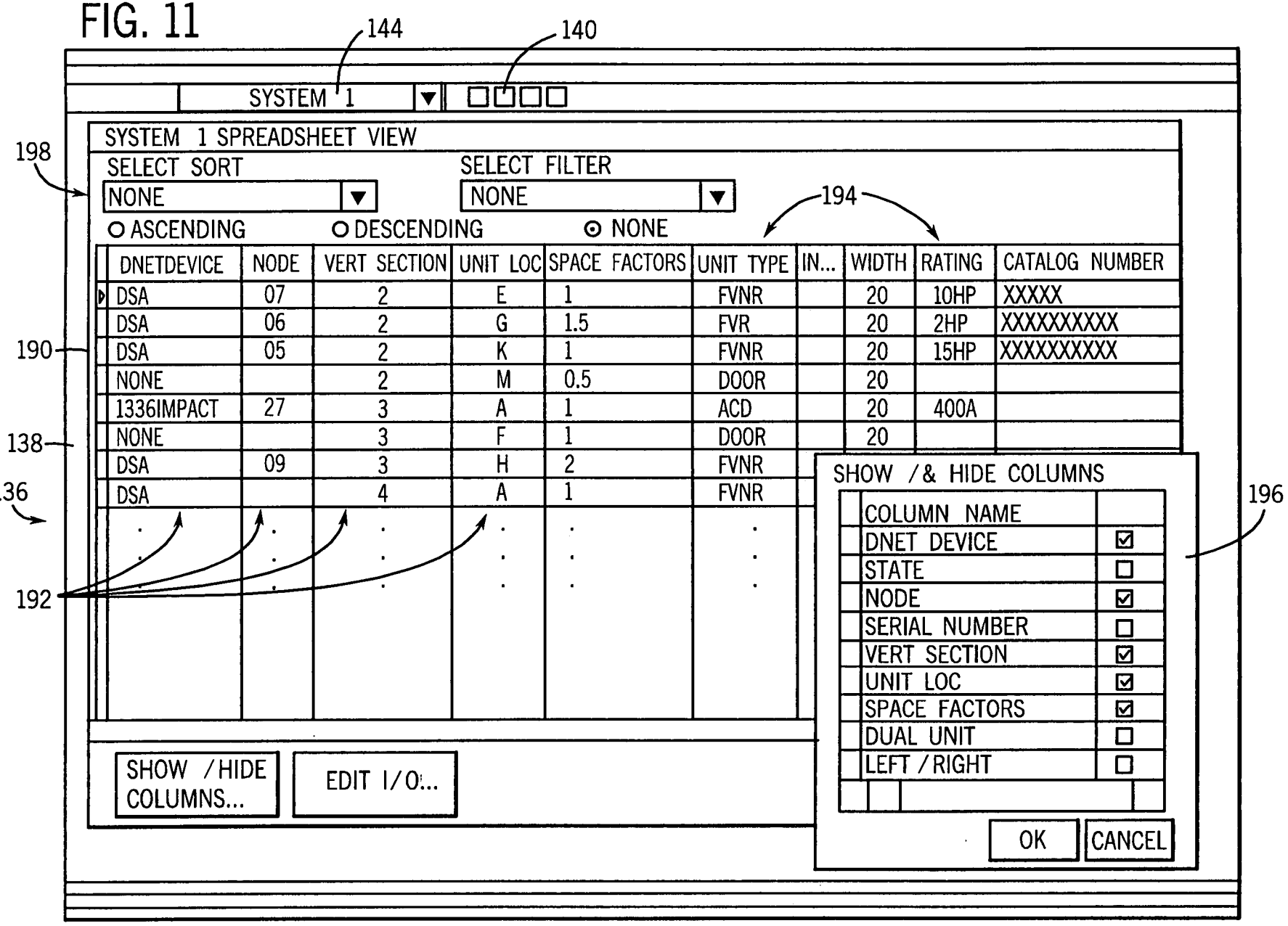

144
140
SYSTEM 1
SYSTEM 1 SPREADSHEET VIEW
198
SELECT SORT
NONE
SELECT FILTER
NONE
194
ASCENDING
DESCENDING
NONE
190
138
136
192
196
DNETDEVICE
NODE
VERT SECTION
UNIT LOC
SPACE FACTORS
UNIT TYPE
IN...
WIDTH
RATING
CATALOG NUMBER
DSA 07 2 E 1 FVNR 20 10HP XXXXX
DSA 06 2 G 1.5 FVR 20 2HP XXXXXXXXXX
DSA 05 2 K 1 FVNR 20 15HP XXXXXXXXXX
NONE 2 M 0.5 DOOR 20
1336IMPACT 27 3 A 1 ACD 20 400A
NONE 3 F 1 DOOR 20
DSA 09 3 H 2 FVNR
DSA 4 A 1 FVNR
SHOW /HIDE COLUMNS...
EDIT I/O...
SHOW /& HIDE COLUMNS
COLUMN NAME
DNET DEVICE
STATE
NODE
SERIAL NUMBER
VERT SECTION
UNIT LOC
SPACE FACTORS
DUAL UNIT
LEFT /RIGHT
OK
CANCEL

FIG. 12

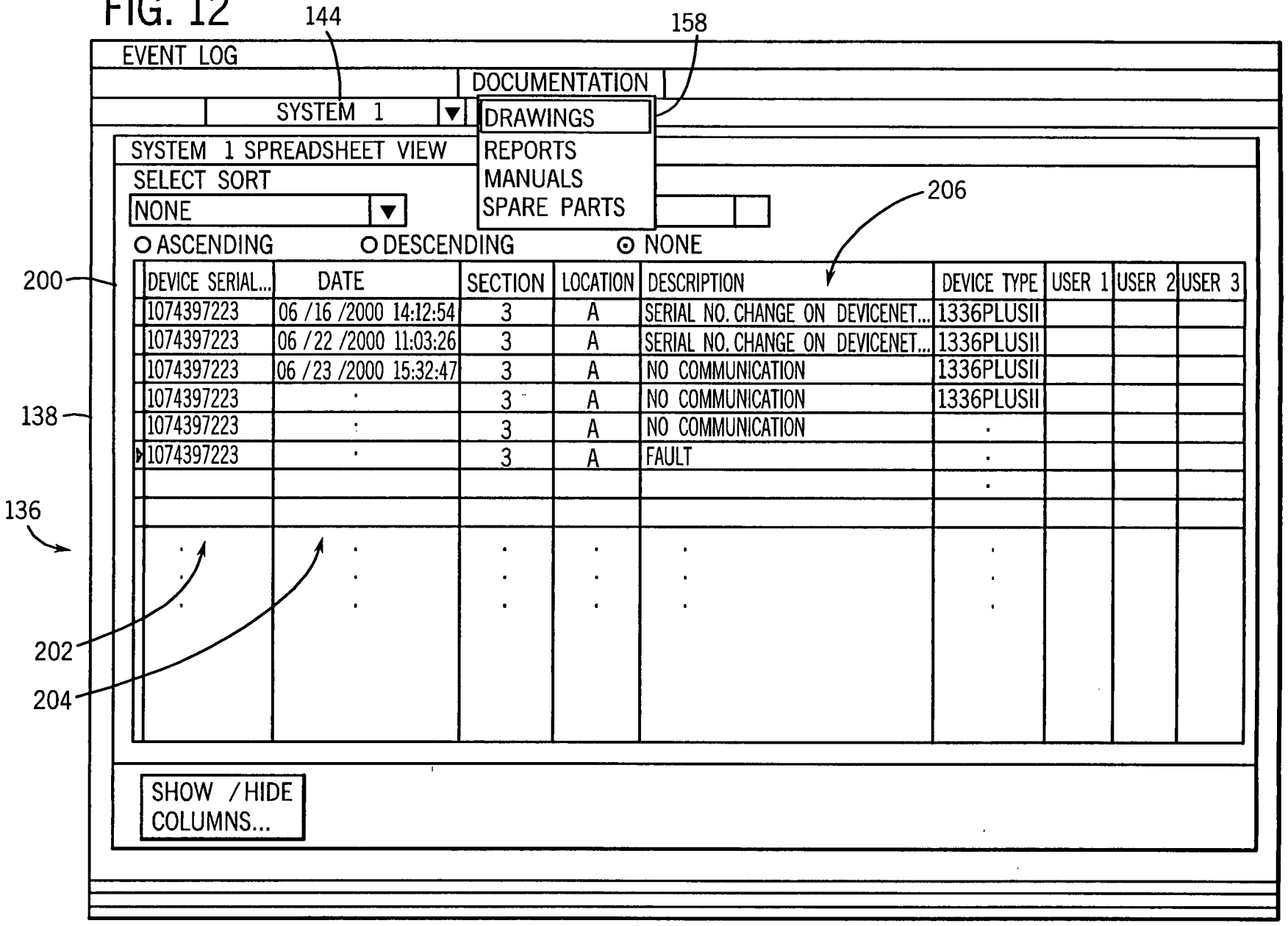
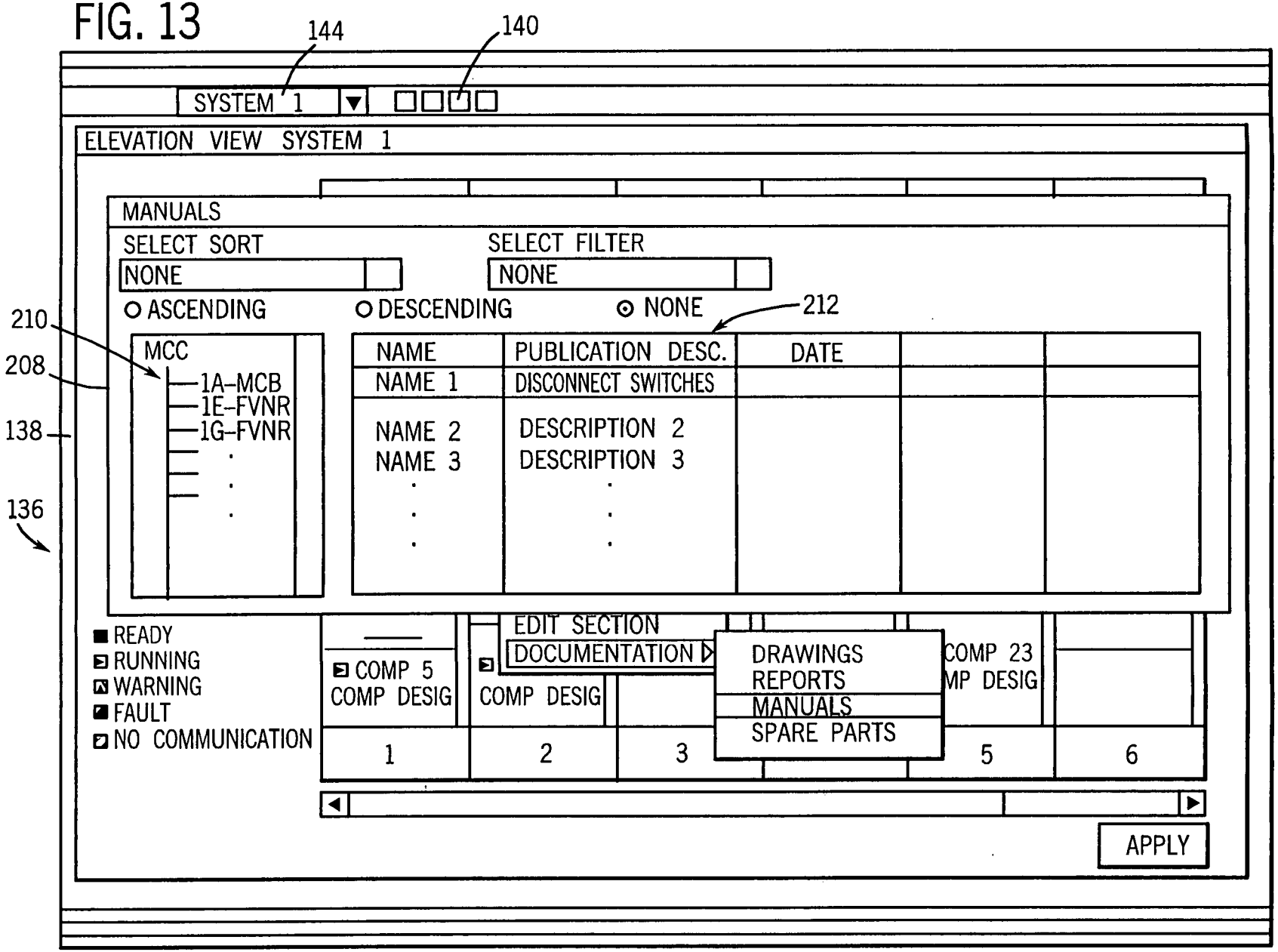

144
158
EVENT LOG
DOCUMENTATION
SYSTEM 1
DRAWINGS
REPORTS
MANUALS
SPARE PARTS
SYSTEM 1 SPREADSHEET VIEW
SELECT SORT
NONE
206
ASCENDING
DESCENDING
NONE
200
138
136
202
204
DEVICE SERIAL...
DATE
SECTION
LOCATION
DESCRIPTION
DEVICE TYPE
USER 1
USER 2
USER 3
1074397223 06 /16 /2000 14:12:54 3 A SERIAL NO. CHANGE ON DEVICENET... 1336PLUSII
1074397223 06 /22 /2000 11:03:26 3 A SERIAL NO. CHANGE ON DEVICENET... 1336PLUSII
1074397223 06 /23 /2000 15:32:47 3 A NO COMMUNICATION 1336PLUSII
1074397223 3 A NO COMMUNICATION 1336PLUSII
1074397223 3 A NO COMMUNICATION
1074397223 3 A FAULT
SHOW /HIDE COLUMNS...

FIG. 13


144
140
SYSTEM 1
ELEVATION VIEW SYSTEM 1
MANUALS
SELECT SORT
NONE
SELECT FILTER
NONE
ASCENDING
DESCENDING
NONE
212
210
208
138
136
MCC
1A-MCB
1E-FVNR
1G-FVNR
NAME
PUBLICATION DESC.
DATE
NAME 1
DISCONNECT SWITCHES
NAME 2
DESCRIPTION 2
NAME 3
DESCRIPTION 3
READY
RUNNING
WARNING
FAULT
NO COMMUNICATION
COMP 5
COMP DESIG
EDIT SECTION
DOCUMENTATION
DRAWINGS
REPORTS
MANUALS
SPARE PARTS
COMP DESIG
COMP 23
MP DESIG
1
2
3
5
6
APPLY

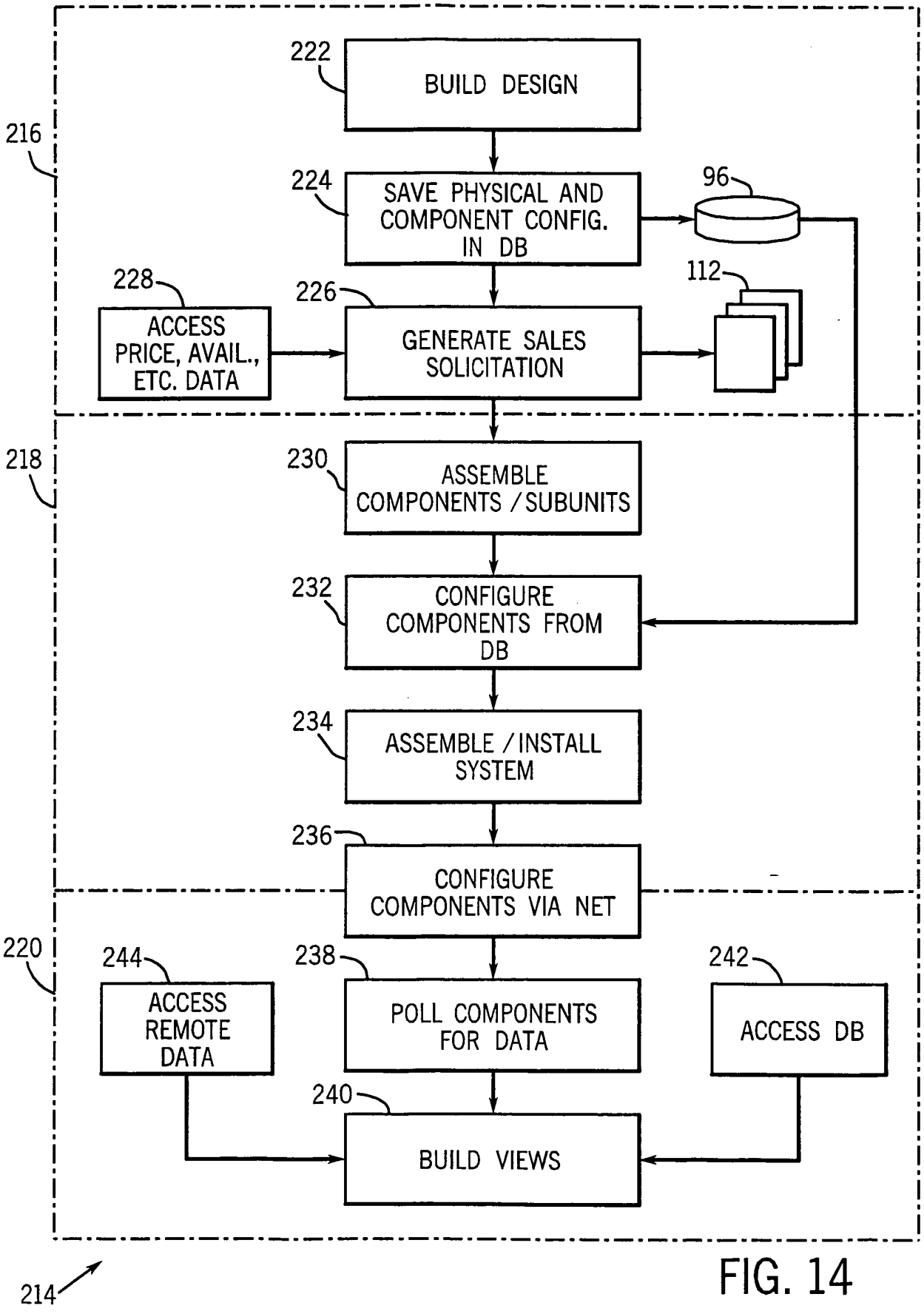

222
BUILD DESIGN
216
224
SAVE PHYSICAL AND COMPONENT CONFIG. IN DB
96
228
ACCESS PRICE, AVAIL., ETC. DATA
226
GENERATE SALES SOLICITATION
112
218
230
ASSEMBLE COMPONENTS / SUBUNITS
232
CONFIGURE COMPONENTS FROM DB
234
ASSEMBLE / INSTALL SYSTEM
236
CONFIGURE COMPONENTS VIA NET
220
244
ACCESS REMOTE DATA
238
POLL COMPONENTS FOR DATA
242
ACCESS DB
240
BUILD VIEWS
214

FIG. 14